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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

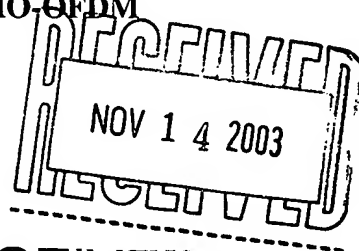
In Re Application of  
BJERKE et al.

)  
) For: ITERATIVE DETECTION AND  
) DECODING FOR A MIMO-OFDM  
) SYSTEM

Serial No. 10/005,104

Filed: 12/03/2001

) Group Art Unit: 2876



INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR § 1.97(c)

RECEIVED

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NOV 12 2003

Technology Center 2600

Dear Sir:

Applicants submit the enclosed information in accordance with a duty to disclose information under 37 CFR § 1.56.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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- ☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Depositor's Name: Christine Hughey  
(type or print name)

Date: 11/05/2003

Signature: Christine Hughey

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- ☐ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: \_\_\_\_\_  
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In accordance with 37 CFR § 1.98, submitted herewith for consideration by the Examiner are the patents, publications and other information shown on the attached PTO-1449.

The citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application unless specifically designated as such.

The filing of this document shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

A list of the references cited herein is set forth on Form PTO-1449, which is enclosed herewith in duplicate along with a copy of each cited reference. Applicants respectfully request that the Examiner return to Applicants the enclosed copy of the Form PTO-1449 indicating consideration of the references.

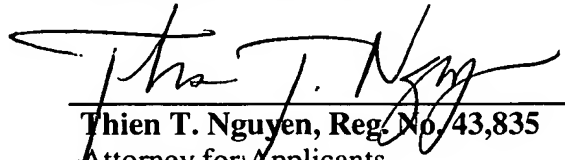
☒ The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

OR

☐ The undersigned hereby certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 CFR § 1.56 more than three months prior to the filing of this Information Disclosure Statement.

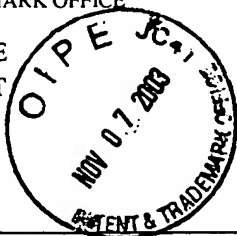
Respectfully submitted,

Dated: 11/05/2003 By:

  
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Attorney for Applicants  
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Facsimile: (858) 658-2502

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	APPLICATION NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		010548	10/005,104
		APPLICANT BJERKE et al.	
DATE MAILED: 11/05/2003		FILING DATE 12/03/2001	GROUP 2876



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	A1						
	A2						
	A3						
	A4						

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1	WO 01/19013A1	03/15/2001	PCT	HOME WIRELESS NETWORKS, INC.		
	B2	WO 00/72496A1	11/30/2000	PCT	UNIVERSITY OF SOUTHAMPTON		
	B3	WO 98/51111A1	11/12/1998	PCT	KONINKLIJKE PHILIPS ELECTRONICS N.V.		
	B4	WO 01/67702A1	09/13/2001	PCT	VYYO LTD.		

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

	C1	Nguyen A. V. et al., "Iterative Demodulation and Decoding of Differential Space-Time Block Codes," IEEE VEHICULAR TECHNOLOGY CONFERENCE, VTC 2000-FALL, CONF. 52, Vol. 5 of 6, 24 September 2000, pages 2394-2400.
	C2	Tonello A. M., "Iterative MAP Detection of Coded M-DPSK Signals in Fading Channels with Application to IS-136 TDMA," IEEE VEHICULAR TECHNOLOGY CONFERENCE, VTC 1999-FALL, CONF. 50, 19 September 1999, pages 1615-1619.
	C3	Petzold M. C. et al., "Performance of Interleaved Serial Concatenated Convolutional Codes with DSS/DPSK Multicarrier Modulation in a Doppler Spread Channel," IEEE VEHICULAR TECHNOLOGY CONFERENCE, 16 May 1999, pages 77-81.
	C4	Keller T. et al., "A Turbo-Coded Burst-By-Burst Adaptive Wide-Band Speech Transceiver," IEEE Journal on Selected Areas in Communications, IEEE Inc., vol. 18, no. 11, November 2000, pages 2363-2372.
	C5	Lau V. K. N., "Variable-Rate Adaptive Channel Coding for CDMA-Reverse Link," Bell Labs Technology, Bell Laboratories, vol. 5, no. 4, 1 October 2000, pages 138-156.
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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